

AMENDED CLAIMS

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original claim 2 amended; remaining claims unchanged (1 page)]

1. A metal valve stem sealing system comprising:
 - a valve body;
 - 5 a metal valve stem housed within the valve body;
 - a bonnet member housed within the valve body;
 - a U-shaped metal stem gasket positioned between the metal valve stem and the bonnet member, wherein the gasket has a first lip member and a second lip member each having an interior surface and an exterior surface;
 - 10 a metal wedge ring fitted between the interior surface of the first lip member and the interior surface of the second lip member; and,
 - at least one metal energizing spring adjacent the wedge ring, wherein the metal energizing spring applies a sufficient force to the wedge ring to cause the wedge ring to apply a sufficient contact pressure to the first and second lip members to expand the first and second lip members to form a seal between the gasket and the metal valve stem and to form a seal between the gasket and the bonnet member.
2. The metal valve stem sealing system of claim 1 further comprising an anti-rotation pin attached to the metal stem gasket.
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3. The sealing system of claim 1 wherein the first lip member is coated on an exterior surface with an alloy selected from the group of alloys comprising tungsten carbides and chromium carbides.